



SEQUENCE LISTING

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<120> TFG BETA 1 INHIBITOR PEPTIDES

<130> U 013446-9

<140> 09/831,253

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<150> PCT/ES99/00375

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<151> 1999-11-23

<160> 178

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<212> PRT

<213> Artificial sequence

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<223> Derived from human TGB beta 1 postion 319-333

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His	Ala	Asn	Phe	Cys	Leu	Gly	Pro	Cys	Pro	Tyr	Ile	Trp	Ser	Leu
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<223> Derived from human TGB beta 1 postion 322-335

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<213> Artificial sequence

<220>

<223> Derived from human TGB beta 1 type III receptor postion 731-742

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Thr Ser Leu Asp Ala Thr Met Ile Trp Thr Met Met
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<220>
<223> Derived from human TGB beta 1 postion 245-259

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Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp Ile Ile Val Asp Ile
1 5 10 15

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<213> Artificial sequence

<220>
<223> Synthetic peptide derived from P54

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Thr Ser Leu Met Ile Trp Thr Met Met
1 5

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<220>
<223> Synthetic peptide from human TGB beta 1 type III receptor, positi
on 729-742

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1 5 10

<210> 7
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<220>
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on 241-254

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Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp
1 5 10

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<220>
<223> Synthetic peptide from pig endoglin, position 247-261
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Glu Ala Val Leu Ile Leu Gln Gly Pro Pro Tyr Val Ser Trp Leu
1 5 10 15

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<220>
<223> Synthetic peptide from pig endoglin, position 445-459
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Leu Asp Ser Leu Ser Phe Gln Leu Gly Leu Tyr Leu Ser Pro His
1 5 10 15

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<223> Synthetic peptide from human TGB beta 1, position 313-335
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His Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys Pro
1 5 10 15

Tyr Ile Trp Ser Leu Asp Thr
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<220>
<223> Synthetic peptide from human TGB beta 1, position 2810-293
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Ala Leu Asp Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys Asn
1 5 10

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<220>
<223> Synthetic peptide from human TGB beta 1, position 284-297
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Asn Tyr Cys Ser Ser Thr Glu Lys Asn Cys Cys Val Arg
1 5 10

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<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 288-301
<400> 13

Ser Ser Thr Glu Lys Asn Cys Cys Val Arg Gln Leu Tyr Ile
1 5 10

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<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 294-307
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1 5 10

<210> 15
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<220>
<223> Synthetic peptide from human TGB beta 1, position 298-311
<400> 15

Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp
1 5 10

<210> 16
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<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 302-315

<400> 16

Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp Ile His Glu Pro
1 5 10

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<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 306-319

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Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His
1 5 10

<210> 18
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human TGB beta 1, position 308-321

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Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His Ala Asn
1 5 10

<210> 19
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<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human TGB beta 1, position 312-325

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Ile His Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly
1 5 10

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<220>
<223> Synthetic peptide from human TGB beta 1, position 316-329

<400> 20

Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr
1 5 10

<210> 21
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<220>
<223> Synthetic peptide from human TGB beta 1, position 326-339
<400> 21

Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys
1 5 10

<210> 22
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human TGB beta 1, position 330-343
<400> 22

Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys Val Leu Ala Leu
1 5 10

<210> 23
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<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human TGB beta 1, position 335-349
<400> 23

Thr Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro
1 5 10 15

<210> 24
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human TGB beta 1, position 336-349
<400> 24

Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro
1 5 10

<210> 25
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<220>
 <223> Synthetic peptide from human TGB beta 1, position 340-353

<400> 25

Val	Leu	Ala	Leu	Tyr	Asn	Gln	His	Asn	Pro	Gly	Ala	Ser	Ala
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<220>
 <223> Synthetic peptide from human TGB beta 1, position 343-358

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<220>
 <223> Synthetic peptide from human TGB beta 1, position 348-360

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1				5					10				

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<220>
 <223> Synthetic peptide from human TGB beta 1, position 344-358

<400> 28

Asn	Pro	Gly	Ala	Ser	Ala	Ala	Pro	Cys	Cys	Val	Pro	Gln
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Gly Ala Ser Ala Ala Pro Cys Cys Val Pro Gln Ala Leu Glu
1 5 10

<210> 30
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 354-367
<400> 30

Ala Pro Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro Ile
1 5 10

<210> 31
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<223> Synthetic peptide from human TGB beta 1, position 358-371
<400> 31

Val Pro Gln Ala Leu Glu Pro Leu Pro Ile Val Tyr Tyr Val
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<212> PRT
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<400> 32

Pro Leu Pro Ile Val Tyr Tyr Val Gly Arg Lys Pro Lys Val
1 5 10

<210> 33
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 368-381
<400> 33

Val Tyr Tyr Val Gly Arg Lys Pro Lys Val Glu Gln Leu Ser
1 5 10

<210> 34
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<220>
<223> Synthetic peptide from human TGB beta 1, position 372-385
<400> 34

Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile Val
1 5 10

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<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 378-391
<400> 35

Glu Gln Leu Ser Asn Met Ile Val Arg Ser Cys Lys Cys Ser
1 5 10

<210> 36
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<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 322-344
<400> 36

Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln Lys
1 5 10 15

Val Leu Ala Leu Tyr
20

<210> 37
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide from human TGB beta 1, position 322-335
<400> 37

Phe Ser Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr

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<210> 38
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<210> 39
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<220>
<223> Synthetic peptide from human TGB beta 1, position 322-335
<400> 39

Phe Ser Leu Gly Pro Ser Pro Tyr Ile Trp Ser Leu Asp Thr
1 5 10

<210> 40
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<223> Synthetic peptide from human TGB beta 1, position 322-335
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1 5 10

<210> 41
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<220>
<223> Synthetic peptide modified from human TGB beta 1, position 322-33
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Asp Asp Asp Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr
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Asp Asp Asp Gly Pro Cys Pro Tyr Ile Trp Ser Asp Asp Asp
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2

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Gly Pro Cys Pro Tyr Ile Trp Ser Asp Asp Asp
1 5 10

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1 5 10

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<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
91-102

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1 5 10

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104-115

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Val Phe Leu Leu Asn Ser Pro Gln Pro Leu Val Trp
1 5 10

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109-120

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Ser Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu
1 5 10

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110-121

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Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu Arg
1 5 10

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
333-344

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Trp Ala Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser
1 5 10

<210> 51

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<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
428-349

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Pro Ile Val Pro Ser Val Gln Leu Leu Pro Asp His
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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
555-566

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Gly Asp Glu Gly Glu Thr Ala Pro Leu Ser Arg Ala
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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
563-574

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Leu Ser Arg Ala Gly Val Val Val Phe Asn Cys Ser
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<210> 54

<211> 12

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603-614

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Leu Phe Leu Val Pro Ser Pro Gly Val Phe Ser Val
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605-616

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707-718

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Glu Leu Thr Leu Cys Ser Arg Lys Lys Gly Ser Leu
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<210> 57
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712-723

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Ser Arg Lys Lys Gly Ser Leu Lys Leu Pro Arg Cys
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717-728

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<210> 59
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722-733

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727-738

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Asp Asp Ala Cys Thr Ser Leu Asp Ala Thr Met Ile
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732-743

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1 5 10

<210> 62
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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
737-748

<400> 62

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1 5 10

<210> 63

<211> 12

<212> PRT

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
742-752

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Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu Ala
1 5 10

<210> 64

<211> 12

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
747-758

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1 5 10

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
761-775

<400> 65

Lys Glu Asn Val Pro Ser Thr Lys Asp Ser Ser Pro Ile Pro Pro
1 5 10 15

<210> 66

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position

766-780

<400> 66

Ser Thr Lys Asp Ser Ser Pro Ile Pro Pro Pro Pro Pro Gln Ile
1 5 10 15

<210> 67

<211> 15

<212> PRT

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
771-785

<400> 67

Ser Pro Ile Pro Pro Pro Pro Pro Gln Ile Phe His Gly Leu Asp
1 5 10 15

<210> 68

<211> 15

<212> PRT

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
776-790

<400> 68

Pro Pro Pro Gln Ile Phe His Gly Leu Asp Thr Leu Thr Val Met
1 5 10 15

<210> 69

<211> 15

<212> PRT

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
781-795

<400> 69

Phe His Gly Leu Asp Thr Leu Thr Val Met Gly Ile Ala Phe Ala
1 5 10 15

<210> 70

<211> 15

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<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
786-800

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Thr Leu Thr Val Met Gly Ile Ala Phe Ala Ala Phe Val Ile Gly
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<210> 71

<211> 12

<212> PRT

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
797-809

<400> 71

Leu Leu Thr Gly Ala Leu Trp Tyr Ile Tyr Ser His
1 5 10

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
45-59

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Leu Met Glu Ser Phe Thr Val Leu Ser Gly Cys Ala Ser Arg Gly
1 5 10 15

<210> 73

<211> 15

<212> PRT

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
50-64

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Thr Val Leu Ser Gly Cys Ala Ser Arg Gly Thr Thr Gly Leu Pro
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<210> 74

<211> 15

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<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
55-69

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Cys Ala Ser Arg Gly Thr Thr Gly Leu Pro Arg Glu Val His Val
1 5 10 15

<210> 75

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
60-74

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Thr Thr Gly Leu Pro Arg Glu Val His Val Leu Asn Leu Arg Ser
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<210> 76

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<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
65-79

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Arg Glu Val His Val Leu Asn Leu Arg Ser Thr Asp Gln Gly Pro
1 5 10 15

<210> 77

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
70-84

<400> 77

Leu Asn Leu Arg Ser Thr Asp Gln Gly Pro Gly Gln Arg Gln Arg
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<210> 78

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
75-89

<400> 78

Thr Asp Gln Gly Pro Gly Gln Arg Gln Arg Glu Val Thr Leu His
 1 5 10 15

<210> 79
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<220>
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 80-94

<400> 79

Gly Gln Arg Gln Arg Glu Val Thr Leu His Leu Asn Pro Ile Ala
 1 5 10 15

<210> 80
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<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 85-99

<400> 80

Glu Val Thr Leu His Leu Asn Pro Ile Ala Ser Val His Thr His
 1 5 10 15

<210> 81
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<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 90-104

<400> 81

Leu Asn Pro Ile Ala Ser Val His Thr His His Lys Pro Ile Val
 1 5 10 15

<210> 82
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<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 95-109

<400> 82

Ser Val His Thr His His Lys Pro Ile Val Phe Leu Leu Asn Ser
 1 5 10 15

<210> 83
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<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 100-114

<400> 83

His Lys Pro Ile Val Phe Leu Leu Asn Ser Pro Gln Pro Leu Val
 1 5 10 15

<210> 84
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<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 105-119

<400> 84

Phe Leu Leu Asn Ser Pro Gln Pro Leu Val Trp His Leu Lys Thr
 1 5 10 15

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<220>
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 110-124

<400> 85

Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu Arg Leu Ala Ala
 1 5 10 15

<210> 86
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<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 115-129

<400> 86

Trp His Leu Lys Thr Glu Arg Leu Ala Ala Gly Val Pro Arg Leu

1	5	10	15
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 120-134

<400> 87

Arg	Leu	Ala	Ala	Gly	Val	Pro	Arg	Leu	Phe	Leu	Val	Ser	Glu	Gly
1				5				10					15	

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<220>
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 125-139

<400> 88

Gly	Val	Pro	Arg	Leu	Phe	Leu	Val	Ser	Glu	Gly	Ser	Val	Val	Gln
1				5				10					15	

<210> 89
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<220>
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 130-144

<400> 89

Phe	Leu	Val	Ser	Glu	Gly	Ser	Val	Val	Gln	Phe	Pro	Ser	Gly	Asn
1				5				10					15	

<210> 90
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<220>
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 135-149

<400> 90

Gly	Ser	Val	Val	Gln	Phe	Pro	Ser	Gly	Asn	Phe	Ser	Leu	Thr	Ala
1				5				10					15	

<210> 91
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 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 140-154

 <400> 91

Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg
 1 5 10 15

<210> 92
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 145-159

 <400> 92

Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu
 1 5 10 15

<210> 93
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 150-164

 <400> 93

Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu Asn Glu His Leu Val
 1 5 10 15

<210> 94
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 155-169

 <400> 94

Asn Phe Pro Gln Glu Asn Glu His Leu Val Arg Trp Ala Gln Lys
 1 5 10 15

<210> 95
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 160-174

 <400> 95

Asn	Glu	His	Leu	Val	Arg	Trp	Ala	Gln	Lys	Glu	Tyr	Gly	Ala	Val
1				5					10					15

<210> 96
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 165-179

 <400> 96

Arg	Trp	Ala	Gln	Lys	Glu	Tyr	Gly	Ala	Val	Thr	Ser	Phe	Thr	Glu
1				5					10					15

<210> 97
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 170-184

 <400> 97

Glu	Tyr	Gly	Ala	Val	Thr	Ser	Phe	Thr	Glu	Leu	Lys	Ile	Ala	Arg
1				5					10					15

<210> 98
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 175-189

 <400> 98

Thr	Ser	Phe	Thr	Glu	Leu	Lys	Ile	Ala	Arg	Asn	Ile	Tyr	Ile	Lys
1				5					10					15

<210> 99
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
180-194

<400> 99

Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln
1 5 10 15

<210> 100
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
185-199

<400> 100

Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Thr
1 5 10 15

<210> 101
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
190-201

<400> 101

Val Gly Glu Asp Gln Val Phe Pro Pro Thr Cys Asn Ile Gly Lys
1 5 10 15

<210> 102
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
195-209

<400> 102

Val Phe Pro Pro Thr Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu
1 5 10 15

<210> 103

<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
200-214

<400> 103

Cys	Asn	Ile	Gly	Lys	Asn	Phe	Leu	Ser	Leu	Asn	Tyr	Leu	Ala	Glu
1				5					10					15

<210> 104
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
205-219

<400> 104

Asn	Phe	Leu	Ser	Leu	Asn	Tyr	Leu	Ala	Glu	Tyr	Leu	Gln	Pro	Lys
1				5					10					15

<210> 105
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
210-224

<400> 105

Asn	Tyr	Leu	Ala	Glu	Tyr	Leu	Gln	Pro	Lys	Ala	Ala	Glu	Gly	Cys
1				5					10					15

<210> 106
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
215-229

<400> 106

Tyr	Leu	Gln	Pro	Lys	Ala	Ala	Glu	Gly	Cys	Val	Leu	Pro	Ser	Gln
1				5					10					15

<210> 107
<211> 15

<212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 220-234

 <400> 107

 Ala Ala Glu Gly Cys Val Leu Pro Ser Gln Pro His Glu Lys Glu
 1 5 10 15

 <210> 108
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 225-239

 <400> 108

 Val Leu Pro Ser Gln Pro His Glu Lys Glu Val His Ile Ile Glu
 1 5 10 15

 <210> 109
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 230-244

 <400> 109

 Pro His Glu Lys Glu Val His Ile Ile Glu Leu Ile Thr Pro Ser
 1 5 10 15

 <210> 110
 <211> 15
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 235-249

 <400> 110

 Val His Ile Ile Glu Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser
 1 5 10 15

 <210> 111
 <211> 15
 <212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
240-254

<400> 111

Leu	Ile	Thr	Pro	Ser	Ser	Asn	Pro	Tyr	Ser	Ala	Phe	Gln	Val	Asp
1				5				10					15	

<210> 112

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
250-264

<400> 112

Ala	Phe	Gln	Val	Asp	Ile	Ile	Val	Asp	Ile	Arg	Pro	Ala	Gln	Glu
1				5				10					15	

<210> 113

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
255-269

<400> 113

Ile	Ile	Val	Asp	Ile	Arg	Pro	Ala	Gln	Glu	Asp	Pro	Glu	Val	Val
1				5				10					15	

<210> 114

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
260-274

<400> 114

Arg	Pro	Ala	Gln	Glu	Asp	Pro	Glu	Val	Val	Lys	Asn	Leu	Val	Leu
1				5				10					15	

<210> 115

<211> 15

<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
265-279

<400> 115

Asp Pro Glu Val Val Lys Asn Leu Val Leu Ile Leu Lys Cys Lys
1 5 10 15

<210> 116
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
270-284

<400> 116

Lys Asn Leu Val Leu Ile Leu Lys Cys Lys Lys Ser Val Asn Trp
1 5 10 15

<210> 117
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
275-289

<400> 117

Ile Leu Lys Cys Lys Lys Ser Val Asn Trp Val Ile Lys Ser Phe
1 5 10 15

<210> 118
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
280-294

<400> 118

Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val Lys Gly Asn
1 5 10 15

<210> 119
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
285-299

<400> 119

Val Ile Lys Ser Phe Asp Val Lys Gly Asn Leu Lys Val Ile Ala
1 5 10 15

<210> 120
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
290-304

<400> 120

Asp Val Lys Gly Asn Leu Lys Val Ile Ala Pro Asn Ser Ile Gly
1 5 10 15

<210> 121
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
295-309

<400> 121

Leu Lys Val Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser
1 5 10 15

<210> 122
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
300-314

<400> 122

Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser Glu Arg Ser Met Thr
1 5 10 15

<210> 123
<211> 15
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
305-319

<400> 123

Phe	Gly	Lys	Glu	Ser	Glu	Arg	Ser	Met	Thr	Met	Thr	Lys	Leu	Val
1				5					10				15	

<210> 124

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position,
310-324

<400> 124

Glu	Arg	Ser	Met	Thr	Met	Thr	Lys	Leu	Val	Arg	Asp	Asp	Ile	Pro
1				5					10				15	

<210> 125

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
325-329

<400> 125

Met	Thr	Lys	Leu	Val	Arg	Asp	Asp	Ile	Pro	Ser	Thr	Gln	Glu	Asn
1				5					10				15	

<210> 126

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
320-334

<400> 126

Arg	Asp	Asp	Ile	Pro	Ser	Thr	Gln	Glu	Asn	Leu	Met	Lys	Trp	Ala
1				5					10				15	

<210> 127

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position

325-339

<400> 127

Ser	Thr	Gln	Glu	Asn	Leu	Met	Lys	Trp	Ala	Leu	Asp	Asn	Gly	Tyr
1				5					10					15

<210> 128

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
330-344

<400> 128

Leu	Met	Lys	Trp	Ala	Leu	Asp	Asn	Gly	Tyr	Arg	Pro	Val	Thr	Ser
1				5					10					15

<210> 129

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
335-349

<400> 129

Leu	Asp	Asn	Gly	Tyr	Arg	Pro	Val	Thr	Ser	Tyr	Thr	Met	Ala	Pro
1				5					10					15

<210> 130

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
340-354

<400> 130

Arg	Pro	Val	Thr	Ser	Tyr	Thr	Met	Ala	Pro	Val	Ala	Asn	Arg	Phe
1				5					10					15

<210> 131

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
345-359

<400> 131

Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
1 5 10 15

<210> 132

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
350-364

<400> 132

Val Ala Asn Arg Phe His Leu Arg Leu Glu Asn Asn Glu Glu Met
1 5 10 15

<210> 133

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
355-369

<400> 133

His Leu Arg Leu Glu Asn Asn Glu Glu Met Arg Asp Glu Glu Val
1 5 10 15

<210> 134

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
360-374

<400> 134

Asn Asn Glu Glu Met Arg Asp Glu Glu Val His Thr Ile Pro Pro
1 5 10 15

<210> 135

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
365-369

<400> 135

Arg Asp Glu Glu Val His Thr Ile Pro Pro Glu Leu Arg Ile Leu
1 5 10 15

<210> 136

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
370-384

<400> 136

His Thr Ile Pro Pro Glu Leu Arg Ile Leu Leu Asp Pro Asp His
1 5 10 15

<210> 137

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
375-389

<400> 137

Glu Leu Arg Ile Leu Leu Asp Pro Asp His Pro Pro Ala Leu Asp
1 5 10 15

<210> 138

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
380-394

<400> 138

Leu Asp Pro Asp His Pro Pro Ala Leu Asp Asn Pro Leu Phe Pro
1 5 10 15

<210> 139

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from rat TGB beta 1 type III receptor, position
385-399

<400> 139

Pro Pro Ala Leu Asp Asn Pro Leu Phe Pro Gly Glu Gly Ser Pro
 1 5 10 15

<210> 140
 <211> 15
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 390-404

<400> 140

Asn Pro Leu Phe Pro Gly Glu Gly Ser Pro Asn Gly Gly Leu Pro
 1 5 10 15

<210> 141
 <211> 15
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 395-409

<400> 141

Gly Glu Gly Ser Pro Asn Gly Gly Leu Pro Phe Pro Phe Pro Asp
 1 5 10 15

<210> 142
 <211> 15
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 400-414

<400> 142

Asn Gly Gly Leu Pro Phe Pro Phe Pro Asp Ile Pro Arg Arg Gly
 1 5 10 15

<210> 143
 <211> 15
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from rat TGB beta 1 type III receptor, position
 405-419

<400> 143

Phe Pro Phe Pro Asp Ile Pro Arg Arg Gly Trp Lys Glu Gly Glu
 1 5 10 15

<210> 144
 <211> 12
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Modified synthetic peptide from rat TGB beta 1 type III receptor,
 position 731-742

<400> 144

Thr Ser Leu Asp Ala Thr Met Ile Trp Asp Asp Asp
 1 5 10

<210> 145
 <211> 11
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Modified synthetic peptide from rat TGB beta 1 type III receptor,
 position 731-742

<400> 145

Asp Asp Asp Ala Thr Met Ile Trp Thr Met Met
 1 5 10

<210> 146
 <211> 7
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Modified synthetic peptide from rat TGB beta 1 type III receptor,
 position 734-740

<400> 146

Asp Ala Thr Met Ile Trp Asp
 1 5

<210> 147
 <211> 9
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Modified synthetic peptide from rat TGB beta 1 type III receptor,
 position 731-739

<400> 147

Thr Ser Leu Asp Ala Thr Thr Met Met

1

5

<210> 148
 <211> 18
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from rat TGB beta 1 type II receptor, position
 84-101

<400> 148

Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr
 1 5 10 15

Val Cys

<210> 149
 <211> 19
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from human fetuin, position 114-132

<400> 149

Cys Asp Phe Gln Leu Leu Lys Leu Asp Gly Lys Phe Ser Val Val Tyr
 1 5 10 15

Ala Lys Cys

<210> 150
 <211> 19
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Synthetic peptide from rat fetuin, position 114-132

<400> 150

Cys Asp Phe His Ile Leu Lys Gln Asp Gly Gln Phe Arg Val Cys His
 1 5 10 15

Ala Gln Cys

<210> 151
 <211> 19
 <212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from sheep fetuin, position 114-132

<400> 151

Cys	Asp	Ile	His	Val	Leu	Lys	Gln	Asp	Gly	Phe	Ser	Val	Leu	Phe	Thr
1				5					10					15	

Lys Cys Asp

<210> 152

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from pig endoglin, position 289-303

<400> 152

Val	Asn	Leu	Pro	Asp	Thr	Arg	Gln	Gly	Leu	Leu	Glu	Glu	Ala	Arg
1				5					10					15

<210> 153

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from pig endoglin, position 481-495

<400> 153

Pro	Ser	Ile	Pro	Glu	Leu	Met	Thr	Gln	Leu	Asp	Ser	Cys	Gln	Leu
1				5					10					15

<210> 154

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from pig endoglin, position 479-493

<400> 154

Met	Ser	Pro	Ser	Ile	Pro	Glu	Leu	Met	Thr	Gln	Leu	Asp	Ser	Cys
1				5					10					15

<210> 155

<211> 12

<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 13-24

<400> 155

Leu Leu Leu Leu Val Leu Leu Pro Thr Asp Ala Ser
1 5 10

<210> 156
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 20-31

<400> 156

Pro Thr Asp Ala Ser Val Ser Gly Lys Pro Gln Tyr
1 5 10

<210> 157
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 44-55

<400> 157

Thr Glu Lys Gly Cys Val Leu Leu Ser Tyr Leu Asn
1 5 10

<210> 158
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 166-177

<400> 158

Tyr Ile Gln Asp Pro Lys Gly Asn Arg Ile Ala Gln
1 5 10

<210> 159
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 192-203

<400> 159

Phe Pro Leu Ser Ser Glu Pro Phe Gln Gly Ser Tyr
1 5 10

<210> 160
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 247-258

<400> 160

Asn Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys
1 5 10

<210> 161
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 248-259

<400> 161

Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro
1 5 10

<210> 162
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide from human alpha 2 microglobulin, position 250-261

<400> 162

Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro Val Pro
1 5 10

<210> 163
<211> 12
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 267-278

<400> 163

Ser Ile Cys Arg Lys Tyr Ser Asp Ala Ser Asp Cys
1 5 10

<210> 164

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 469-480

<400> 164

Pro Cys Gly His Thr Gln Thr Val Gln Ala His Tyr
1 5 10

<210> 165

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 554-565

<400> 165

Asp Ser Ala Lys Tyr Asp Val Glu Asn Cys Leu Ala
1 5 10

<210> 166

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 790-801

<400> 166

Gln Pro Phe Phe Val Glu Leu Thr Met Pro Tyr Ser
1 5 10

<210> 167

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 827-

838

<400> 167

Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala Val Pro
1 5 10

<210> 168

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 825-836

<400> 168

Ser Val Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala
1 5 10

<210> 169

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 876-887

<400> 169

Ala Leu Glu Ser Gln Glu Leu Cys Gly Thr Glu Val
1 5 10

<210> 170

<211> 11

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1001-1012

<400> 170

Lys Ser Lys Ile Gly Tyr Leu Asn Thr Gly Tyr
1 5 10

<210> 171

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1005-1016

<400> 171

Ile Gly Tyr Leu Asn Thr Gly Tyr Gln Arg Gln Leu
1 5 10

<210> 172

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1162
-1173

<400> 172

Lys Arg Lys Glu Val Leu Lys Ser Leu Asn Glu Glu
1 5 10

<210> 173

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1193
-1204

<400> 173

Val Gly His Phe Tyr Glu Pro Gln Ala Pro Ser Ala
1 5 10

<210> 174

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1209
-1220

<400> 174

Thr Ser Tyr Val Leu Leu Ala Tyr Leu Thr Gln Ala
1 5 10

<210> 175

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1211
-1222

<400> 175

Tyr Val Leu Leu Ala Tyr Leu Thr Ala Gln Pro Ala
1 5 10

<210> 176

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1256
-1267

<400> 176

Val Ala Leu His Ala Leu Ser Lys Tyr Gly Ala Ala
1 5 10

<210> 177

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1232
-1243

<400> 177

Tyr Gly Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala
1 5 10

<210> 178

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide from human alpha 2 microglobulin, position 1234
-1245

<400> 178

Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala Phe Val
1 5 10